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L4	3	dynamics near simulation and (contact or collision) and binary near object	US-PGPUB; USPAT; EPO; DERWENT	OR	ON	2010/09/10 16:16
L5	346	dynamics and (contact or collision) and binary near object	US-PGPUB; USPAT; EPO; DERWENT	OR	ON	2010/09/10 16:17
L6	283	dynamics and (contact or collision) and binary near object and link	US-PGPUB; USPAT; EPO; DERWENT	OR	ON	2010/09/10 16:17
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Molecular Dynamics Simulation: Collision Reaction between CN

and C4H6. MARI TAMAOKI, YUSUKE YAMAUCHI, HIROMI NAKAI.
Department of Chemistry, School of ...
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DOI=10...

Rigid Body Dynamics - Chris Hecker's Website

May 14, 2007 ... This article covers 2D angular rigid body mechanics
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by DC Ruspini - 1997 - Cited by 27 - Related articles
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Dynamic simulation of wire rope with contact

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Science Links Japan | Molecular Dynamics Simulation of Contact-Line

by T KIMURA - 2005

Science **Links** Japan. Gateway to Japan's Scientific and Technical Information ... Title:Molecular **Dynamics Simulation of Contact-Line** ...

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Multibody system - Wikipedia, the free encyclopedia

In the case of **contact**, the constraint condition is based on ... E. Bayo, Kinematic and **Dynamic Simulation of Multibody Systems - The Real-Time** ... M. G  radin, A. Cardona, Flexible **multibody** dynamics - A finite element approach, Wiley, ...
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A framework for multi-contact multi-body dynamic simulation and haptic display

D Ruspini, O Khatib - *Advances in robot kinematics*, 2000 - books.google.com

A FRAMEWORK FOR MULTI-CONTACT MULTI-BODY DYNAMIC SIMULATION AND HAPTIC DISPLAY D. RUSPINI Stanford University, Dept. of Computer Science Stanford, CA 94305

email: ruspini@cs.stanford.edu AND O. KHATIB Stanford University, Dept. of Computer ...

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Multibody dynamic simulation of knee contact mechanics

Y Bei, BJ Fregly - *Medical engineering & physics*, 2004 - Elsevier

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FoleyAutomatic: physically-based sound effects for interactive simulation and animation

K Van Den Doel, PG Kry, DK Pai - ... of the 28th annual conference on ..., 2001 - portal.acm.org

... 3 Dynamic Simulation for Sound ... the parameters needed for audio synthesis are often directly available or easily computable from the simulation. For example, multi-body methods commonly compute constraint forces during periods of continuous contact and impulses to re ...

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Multibody system dynamics: Roots and perspectives

W Schiehlen - *Multibody system dynamics*, 1997 - Springer

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BV Mirtich - 1996 - Citeseer

... and correct modeling of these contacts is critical to accurate physical simulation. Contact modeling is also where all of the difficult problems are. The models for contact are less accurate and more equivocal than those for the dynamics of isolated bodies. Much of the ...

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H Noguchi, M Takasu - *The Journal of Chemical Physics*, 2001 - link.aip.org

... Expanded stalks often close again before the formation of trans-monomer contact. ... We estimate the timescale of our simulation on the assumption that the lateral diffusion constant, corresponds to that ... Thus our results should show the dynamics of lipid vesicles at 1 ns/ 100 μ s. ...

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Spatial Dynamics of Multibody Tracked Vehicles Part II: Contact Forces and Simulation Res

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A detailed multi-body model for dynamic simulation of off-road tracked vehicles

D Rubinstein, R Hitron - Journal of Terramechanics, 2004 - Elsevier

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Experimental validation of contact dynamics simulation of constrained robotic tasks

J Van Vliet, I Sharf, Q Ma - The International Journal of Robotics ..., 2000 - ijr.sagepub.com

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A constraint-stabilized time-stepping approach for rigid multibody dynamics with joints, contact and friction

M Anitescu, GD Hart - International Journal for Numerical ..., 2004 - interscience.wiley.com

... of rigid **multibody dynamics** with **contact** and friction simulations [3, 9, 16, 17]. Such approaches solve a subproblem of a complexity comparable to the one that is solved here, based on an initial approximation of the active set, and then attempt to advance the **simulation** by one ...

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